PTO/SB/61 (11483)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE for the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional)

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED **UNAVOIDABLY UNDER 37 CFR 1.137(a)**

NAN012

Approved for use through 07/31/2006. OMB 0651-0031

First Named Inventor: Callahan, John M. Art Unit: 2133

Application Number: 09/642,858

Examiner: David Ton

Filed: August 21, 2000

JUN 2 4 2004

Title: ROM ERROR CORRECTION CONTROL

Attention: Office of Petitions Mall Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

> NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (703) 305-9382.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United Sates Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION.

NOTE: A grantable petition requires the following items:

Petition fee. (1)

- Reply and/or issue fee. (2)
- (3)Terminal disclaimer with disclaimer fee-required for all utility and plant applications filed before June 8, 1995, and for all design applications; and
- Adequate showing of the cause of unavoidable delay. (4)

1. Petition	ı fee
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	XX	Small entity – fee \$55,00 (37 CFR 1.17(I)). Applicant claims small entity status. See 37 CFR 1.27.
		Other than small entity – fee \$ (37 CFR 1.17(I)).
2. Reply a	and/or	fee
Α.	The r	eply and/or fee to the above-noted Office action in the form of (identify the type of reply):
		has been filed previously on
		is enclosed herewith.
В.	The i	ssue fee of $$665.00 + 10$$ Copies for \$30.00
	XX	has been filed previously on <u>October 1, 2003</u>
		is enclosed herewith.

06/23/2004 AWDNDAF1 00000094 07642858

01 FC:2452

55.00 DA

(Page 1 of 4)

This collection of information is required by 37 CFR 1.137(a). The information is equired to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/61 (11-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED **UNAVOIDABLY UNDER 37 CFR 1.137(a)**

3. Terminal disclaimer with disclaimer fee Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required. A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ for a small entity of \$ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63). 4. An adequate showing of the cause of the delay, and that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition under 37 CFR 1.137(a) was unavoidable, is enclosed. WARNING: Information on this form may become public. Credit card Information should not be Included on this form. Provide credit card information and authorization on PTO-2038. June 17, 2004 Date Patrick T. King Typed or printed name 144 Holm Road #39 Address Watsonville, CA 95076-2427 Address Enclosure Fee Payment (Previous ly Paid: Check #6113, dated 10/1/03, Cashed 10/17/03 by USPTO) Reply Terminal Disclaimer Form Additional sheets containing statements establishing unavoidable delay CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a)) I hereby certify that this correspondence is being: deposited with the United States Postal Service on the date shown below with sufficient postage as first dasas mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-8306. June 17, 2004 Date Patrick T. King Typed or printed name of person signing certificate			
A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$	3.	Terminal disc	laimer with disclaimer fee
4. An adequate showing of the cause of the delay, and that the entire delay in filing the required period of time is enclosed herewith (see PTO/SB/63). 4. An adequate showing of the cause of the delay, and that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition under 37 CFR 1.137(a) was unavoidable, is enclosed. WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038. June 17, 2004 Date Patrick T. King Typed or printed name 28,231 Registration Number, if applicable Address Watsonville, CA 95076-2427 Address Enclosure Fee Payment (Previously Paid: Check #6113, dated 10/1/03, Cashed 10/17/03 by USPTO) Terminal Disclaimer Form Additional sheets containing statements establishing unavoidable delay CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a)) I hereby certify that this correspondence is being: Address deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mall Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306. June 17, 2004 Date Patrick T. King		XX	Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. June 17, 2004			for other than a small entity) disclaiming the required period of time is enclosed herewith
Date Patrick T. King Typed or printed name	4.	An adequate for the reply u	showing of the cause of the delay, and that the entire delay in filing the required reply from the due date intil the filing of a grantable petition under 37 CFR 1.137(a) was unavoidable, is enclosed.
Cashed C		WARNIN be inclu	IG: Information on this form may become public. Credit card information should not ded on this form. Provide credit card information and authorization on PTO-2038.
Telephone Number Telephone Number Z8,231 Registration Number, if applicable Address Watsonville, CA 95076-2427 Address Enclosure Reply Terminal Disclaimer Form Additional sheets containing statements establishing unavoidable delay CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a)) Thereby certify that this correspondence is being: deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mall Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306. June 17, 2004 Date Patrick T. King		_June	17, 2004 John Simb
Telephone Number 28,231 Registration Number, if applicable 144 Holm Road #39 Address Watsonville, CA 95076-2427 Address Enclosure Fee Payment (Previously Paid: Check #6113, dated 10/1/03, Cashed 10/17/03 by USPTO) Terminal Disclaimer Form Additional sheets containing statements establishing unavoidable delay CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a)) I hereby certify that this correspondence is being: deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mall Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. I transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306. June 17, 2004 Date Patrick T. King			Date Signature 4
Registration Number, if applicable Address Watsonville, CA 95076-2427		(831)	722-8591 Patrick T. King
Registration Number, if applicable Address Watsonville, CA 95076-2427 Address Enclosure Fee Payment (Previously Paid: Check #6113, dated 10/1/03, Cashed 10/17/03 by USPTO) Reply Terminal Disclaimer Form Additional sheets containing statements establishing unavoidable delay CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a)) I hereby certify that this correspondence is being: deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mall Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306. June 17, 2004 Date Patrick T. King		Telepi	none Number Typed or printed name
Watsonville, CA 95076-2427 Address Enclosure Fee Payment (Previously Paid: Check #6113, dated 10/1/03, Cashed 10/17/03 by USPTO) Terminal Disclaimer Form Additional sheets containing statements establishing unavoidable delay CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a)) I hereby certify that this correspondence is being: Adeposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mall Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306. June 17, 2004 Date Patrick T. King			
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703) 872-9306. June 17, 2004 Date Patrick T. King		depo class	sited with the United States Postal Service on the date shown below with sufficient postage as first mail in an envelope addressed to Mall Stop Petition, Commissioner for Patents, P.O. Box 1450,
Date Signature Patrick T. King			
Patrick T. King		_ Jun	
			_

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED UNAVOIDABLY UNDER 37 CFR 1.137(a)

NOTE:	The following showing of the cause of unavoidable delay must be signed by all applicants or by any other
	party who is presenting statements concerning the cause of delay.

June 17, 2004

Date

<u>28,</u>231

Registration Number, if applicable

Patrick T. King

Typed or printed name

Signature

(In the space provided below, please explain in detail the reasons for the delay in filing a proper reply.)

STATEMENT RE. UNAVOIDABLE ABANDONMENT

- 1) On March 4, 2003, Applicant's Attorney mailed a Change of Address form to the U. S. Patent Office with a Certificate of First Class mailing. (Copy Enclosed).
- 2) Per an Office Communication mailed 4 September 2003, Applicant's Attorney, Patrick T. King, received an Interview Summary (copy enclosed) for a telephone interview on 21 August 2003 between Examiner David Ton and Attorney Patrick T. King. Examiner Ton enclosed a Supplemental Notice of Allowability (copy enclosed) and a copy of a PTOL-85 Form (also enclosed) dated May 16, 2002 with a due date of 18 August 2003. Note that the 3-month due date of 18 August 2003 prior to the 4 September 2003 Office Communication.
- 3) On 1 October 2003, Applicant's Attorney mailed to the U. S. Patent Office the Signed PTOL-85, Part B Fee Transmittal form (received from Examiner Ton in the 4 September 2003 Office Communication), with a certificate of First Class mailing. To show compliance with Examiner Ton's instructions, a copy of the Supplemental Notice of Allowability with a copy of the Interview Summary and dated cover sheet dated 4 September 2003 was mailed with the completed PTOL-85, Part B Form. Also mailed on 1 October 2003 was Applicant's Attorney's check #6113 in the amount of \$695.00. Enclosed is a copy of a PTO acknowledgement Postcard for the above three items stamped 6 October 2003 by the Patent and Trademark Office.

(Please attach additional sheets if additional space is needed.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED UNAVOIDABLY UNDER 37 CFR 1.137(a)

Statement Continued:

- 4) Check #6113 was cashed on 17 October 2003 as shown in a photocopy of Applicant's Attorney's checks processed by Coast Commercial Bank with a process date of 10/17/2003. Original cancelled checks are not retained by the Coast Commercial Bank and are destroyed.
- 5) Applicant's Attorney subsequently received a Notice of Abandonment mailed 13 November 2003 stating that the Issue Fee had not been received.
- 6) Applicant's Attorney believes that a proper Issue Fee was paid on 1 October 2003 in a timely manner using the PTOL-85, Part B form provided by Examiner Ton for this case. Applicant's Attorney believes that the Subject Patent Application was unavoidably abandoned through no fault and beyond the control of the Applicant's Attorney.
- 7) Applicant's Attorney respectfully requests that the instant abandoned Patent Application be revived. To expedite disposition of this matter, it is requested that the Applicant's Attorney, Patrick T. King, be contacted by telephone at (831) 722-8591.

(Please attach additional sheets if additional space is needed.)

nsmittal: Petition for Revival of an Application for Patent Abandoned Unavoidably under 37 CFR 1.137(a)

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the Mail Stop Petition, Commissioner for Patents, P O Box 1450, Alexandria, VA 22313-1450, on the below date of deposit.

Date of Deposit:

6/17/04

Name of Person Making the Deposit: Patrick T. King

Signature of the Person Making the Deposit:

Jaluck T. King

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):

John M. Callahan

Docket No: NAN012

Serial No.:

09/642,858

Group Art Unit: 2133

Filed:

August 21, 2000

Examiner:

David Ton

RICENTED

Title:

ROM ERROR CORRECTION CONTROL

JUN 2 4 2004

C.FREE OF PETTION'S

Mail Stop: Petition

Commissioner for Patents

P O Box 1450

Alexandria, VA 22313-1450

Transmittal: Petition for Revival Of An Application For Patent Abandoned Unavoidably (Under 37 CFR §1.37(a))

- 1. Transmitted herewith is a Petition for the above identified Patent Application.
- 2. In an Office Communication mailed on November 13, 2003 for the above-identified U. S. Patent Application, Applicant received a Notice of Abandonment for alleged failure to timely pay the required Issue Fees.
- 3. In accordance with 37 CFR 1.137(a), Applicant hereby requests the Commissioner to accept the enclosed Petition to revive the above-identified Abandoned U. S. Patent Application.
- 4. Fee Payment: Please charge Deposit Account 110979 the sum of \$55.00 for this Petition.
- 5. Fee Deficiency: Please charge Deposit Account 110979 for any additional extension and/or fee that is required.

Reg. No. 28,231

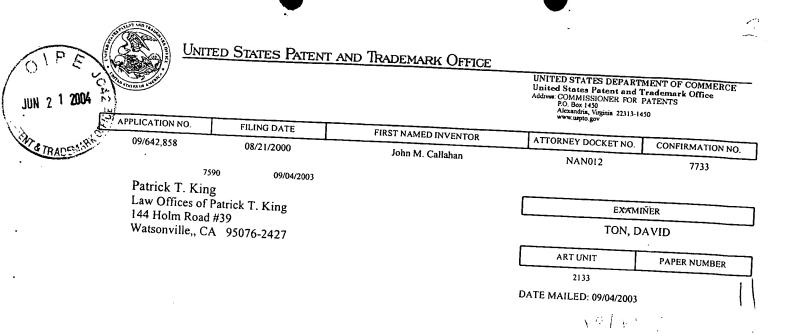
Date: June 17, 2004

Patrick T. King 144 Holm Road #39

Watsonville, CA 95076-2427

Phone (831) 722-8591

Fax (831) 722-85915



Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED

JUN 2 4 2004

CTER OF PENTICED

1	Application No.	Applicant(s)	
OIPE Unterview Summary	09/642,858	CALLAHAN, JOHN M.	
()	Examiner	Art Unit	
JUN 2 1 2004 15	David Ton	2133	
Applicant, applicant's representative, PTO	personnel):		
(1) <u>David Ton</u> .	(3)		
(2) Patrick T. King.	(4)	FICEIV	
Date of Interview: 21 August 2003.		JUN 2 4 2	004
Type: a)⊠ Telephonic b)☐ Video Conference c)☐ Personal [copy given to: 1)☐ applicant 2	²)∐ applicant's representative	PER DE DE	TICO
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)⊠ No.		
Claim(s) discussed: <u>N/A</u> .			
Identification of prior art discussed: <u>N/A</u> .			
Agreement with respect to the claims f) was reached. g)∏ was not reached. h)⊠ N	√ A.	
Substance of Interview including description of the general reached, or any other comments: The Applicant did not rec 05/16/03 (paper #9) because it was mailed to an old address. Applicant will filed a change of address. The Examiner will the new address with a copy of paper #9 attachment. (A fuller description, if necessary, and a copy of the amend allowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached. THE FORMAL WRITTEN REPLY TO THE LAST OFFICE A INTERVIEW. (See MPEP Section 713.04). If a reply to the GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR FORM, WICHEVER IS LATER, TO FILE A STATEMENT O Summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on reverse significant in the summary of Record of Interview requirements on the summary of Record of Interview requirements of Record of Interview requirem	eive the Notice of Allowability ss, and now the issue fee has issue a Supplemental Notice ments which the examiner ag opy of the amendments that w l.) CTION MUST INCLUDE THE last Office action has already THE MAILING DATE OF THI F THE SUBSTANCE OF THE	which was mailed been overdue. of Allowability and areed would render the would render the been filed, APP S INTERVIEW S	ed on The d mail it to er the claims claims OF THE LICANT IS UMMARY
Examiner Note: You must sign this form unless it is an Attachment to a signed Office action		2 Con	

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	JUN 2 1 2004 15		•	
	Se Sugal Durental	Application No.	Applicant(s)	
	Notice of Allowability	09/642,858	CALLAHAN, JOHN	M
	Couge of Allowability	Examiner	Art Unit	:
		David Ton	2133	
	The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in a or other appropriate commur GHTS. This application is sure and MPEP 1308.	this application. If not includ nication will be mailed in due bject to withdrawal from issu	ed course. THIS
	1. This communication is responsive to <u>Change of Address fi</u>	led on 08/19/03 and the Inter	view on 08/21/03	
	2. The allowed claim(s) is/are <u>1-19</u> .			
	 3. The drawings filed on 11 May 2001 are accepted by the Example 1. Acknowledgment is made of a claim for foreign priority und 			
	a) ☐ All b) ☐ Some* c) ☐ None of the:	iei 05 0.5.c. g 119(a)-(u) 01 ((i). 30N 2	4 2004
	1. Certified copies of the priority documents have	been received.	CIFICE	PERMISIN
	2. Certified copies of the priority documents have	been received in Application	No	Eillie. 5
	3. Copies of the certified copies of the priority do	cuments have been received	in this national stage applica	ation from the
	International Bureau (PCT Rule 17.2(a)).			
	* Certified copies not received:			
	5. Acknowledgment is made of a claim for domestic priority u (a) The translation of the foreign language provisional a			
	6. Acknowledgment is made of a claim for domestic priority u	· ·		
	Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of 7. A SUBSTITUTE OATH OR DECLARATION must be subm	this application. THIS THRE	E-MONTH PERIOD IS NOT	EXTENDABLE.
	INFORMAL PATENT APPLICATION (PTO-152) which gives reas	on(s) why the oath or declara	ation is deficient.	
	8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No		,	
	(b) including changes required by the proposed drawing			
	(c) ☐ including changes required by the attached Examiner	s Amendment / Comment or	in the Office action of Paper	No
	Identifying indicia such as the application number (see 37 CFR 1 each sheet.	.84(c)) should be written on the	e drawings in the front (not the	e back) of
	9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T			Note the
	Attachment(s)			
	1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material	4⊠ Interview 6□ Examiner	Informal Patent Application (Summary (PTO-413), Paper 's Amendment/Comment 's Statement of Reasons for by of paper #9. David Ton Primary Examiner Art Unit: 2133	No. <u>11</u> .



JUN 2 4 2004

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted.
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
 - (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.





United States Patent and Trademark Office



UNITED STATES DEPARTMENT OF COMMERCE, United States Patent and Trademark Office Address COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450
Alexandria, Virginia 22313-1450

JUN 2 4 2004

NOTICE OF ALLOWANCE AND FEE(S) DUE

CTREE OF PENTICES

7590

05/16/2003

PATRICK T. KING P.O. Box 688 FREEDOM, CA 95019-0688 EXAMINER

TON, DAVID

ART UNIT

CLASS-SUBCLASS

2133

714-710000

DATE MAILED: 05/16/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/642,858	08/21/2000	John M. Callahan	NAN012	7733

TITLE OF INVENTION: ROM ERROR-CORRECTION CONTROL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$650	\$0	\$650	08/18/2003 *

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents

Alexandria, Virginia 22313-1450

(703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

Fax

05/16/2003

PATRICK T. KING P.O. Box 688 FREEDOM, CA 95019-0688



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name) (Signature) (Date

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/642,858 08/21/2000 John M. Callahan **NAN012** 7733

TITLE OF INVENTION: ROM ERROR-CORRECTION CONTROL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$650	\$0	\$650	08/18/2003
EXAMI	NER	ART UNIT	CLASS-SUBCLASS		. 1
TON, DAVID 2133		2133	714-710000		
1. Change of correspondence address or indication of "Fee Addr CFR 1.363). Change of correspondence address (or Change of Correspon Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Cur. Number is required.		Correspondence	2. For printing on the patent from the names of up to 3 registered or agents OR, alternatively, (2) single firm (having as a mem attorney or agent) and the name registered patent attorneys or agis listed, no name will be printed.	patent attorneys) the name of a ber a registered mes of up to 2 ents. If no name	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

4a. The following fee(s) are enclosed:	gories (will not be printed on the patent)
☐ Issue Fee	A check in the amount of the fee(s) is enclosed.
☐ Publication Fee	☐ Payment by credit card. Form PTO-2038 is attached.
☐ Advance Order - # of Copies	☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).

(Authorized Signature) (Date)

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

United States Patent and Trademark Office UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov JUN 2 1 2004 APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 08/21/2000 09/642,858 John M. Callahan **NAN012** 7733 EXAMINER 7590 05/16/2003 PATRICK T. KING TON, DAVID P.O. Box 688 FREEDOM, CA 95019-0688 ART UNIT PAPER NUMBER 2133 DATE MAILED: 05/16/2003

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 549 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 549 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.

UNITE	D STATES PAT	UN 2 1 2004	EMARK OFFICE	Address: COMN P.O. Bo Alexan	VATES DEPARTMENT OF CONces Patent and Trademark Of MISSIONER OF PATENTS AND TRAIN X 1450 dria, Virginia 22313-1450 ppto gov	fina
APPLICATION NO.	FILING DATE	E	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/642,858	08/21/2000	TRADEMARIE	John M. Callahan		NAN012	7733
759	05/16/20	003			EXAMIN	ER
PATRICK T. KIN P.O. Box 688	$G_{i,j}^{(i)}$				TON, DA	VID
FREEDOM, CA 950	19-0688				ART UNIT	PAPER NUMBER
UNITED STATES	:				2133	
	: •			DAT	TE MAILED: 05/16/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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HIN 2 1 2004 3	_	PRE
\~301 E \ 200 [12]	Application No.	Applicant(s)
	09/642,858	CALLAHAN, JOHN M.
Notice of Allowability	Examiner	Art Unit
	David Ton	2133
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apported or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS withdrawal from issue at the initiative withdrawal from issue at the initiative with the initiative with the initiative will be a second wil
1. This communication is responsive to Amendment A filed 05	<u>5/08/03</u> .	JUN 2 4 2004
2. The allowed claim(s) is/are <u>1-19</u> .		_
3. The drawings filed on 05/11/01 are accepted by the Examin	ner.	Cassos
4. Acknowledgment is made of a claim for foreign priority und	er 35 U.S.C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some* c) ☐ None of the:		•
 Certified copies of the priority documents have 		
Certified copies of the priority documents have	been received in Application No	·
Copies of the certified copies of the priority doc	uments have been received in this r	national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
5. Acknowledgment is made of a claim for domestic priority un		onal application).
(a) The translation of the foreign language provisional a		•
6. Acknowledgment is made of a claim for domestic priority un	der 35 U.S.C. §§ 120 and/or 121.	, M
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of to the submit of the submi	his application. THIS THREE-MON	ITH PERIOD IS NOT EXTENDABLE 'S AMENDMENT or NOTICE OF
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No. (b) including changes required by the proposed drawing concluding changes required by the attached Examiner's	orrection filed, which has be	en approved by the Examiner.
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet.	34(c)) should be written on the drawin	gs in the front (not the back) of
9. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT FOR THE	it of BIOLOGICAL MATERIAL m HE DEPOSIT OF BIOLOGICAL MAT	nust be submitted. Note the FERIAL.
Attachment(s)		
 1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No	4□ Interview Summa 6□ Examiner's Amen	I Patent Application (PTO-152) Iny (PTO-413), Paper No Indment/Comment I ment of Reasons for Allowance Dui clip iv David Ton Primary Examiner Art Unit: 2133

U.S. Patent and Trademark Office PTO-37 (Rev. 04-03)

Serial Number: 09/642,858

Art Unit: 2133

An Examiner's Amendment to the record appears below. Should the changes and/or additions

be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To

ensure consideration of such an amendment, it MUST be submitted no later than the payment of the

Issue Fee.

2. The following is an Examiner's Statement of Reasons for Allowance:

The prior art of record teaches the claimed invention substantially, but it fails to teach or

suggest singly or in combination a fuse-controlled error-correction control system for a ROM

comprising (1) a detective memory-cell address detector circuit CMP that compares input address

signals for the ROM to a fuse-controlled preset static address of a predetermined defective memory

cell of the ROM and that provides an address-hit output signal ADDHIT, (2) an AOUT circuit that

receives the ADDHIT signal and provides a corresponding bit-reversal output signal REV, and (3)

a data output buffer having an output-reversal control terminal for receiving the bit reversal output

signal REV, which reverses the sense of the data signal corresponding to the predetermined defective

memory cell at the output terminal of the data output buffer as set forth in independent claims 1, 8

and 13. Claims 1-19 are allowed because of the combination of additional limitations and the

limitation listed above.

3. Any comments considered necessary by applicant must be submitted no later than the payment

of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such

submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Serial Number: 09/642,858

Art Unit: 2133

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Ton, whose telephone number is (703) 306-3043. The examiner can normally be reached Monday through Thursday from 6:30 AM to 4:00 PM and alternate Friday from 6:30 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert DeCady, can be reached at (703) 305-9595.

Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 746-7239

(Official)

(703) 746-7240

(Non-Official)

(703) 746-7238

(After-Final)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

dt

May 14, 2003

DAVID TON PRIMARY EXAMINER

Danclon



JUN 2 4 2004

Patent and Trademark Office (PTO) Acknowledgment

CERCE OF PENTICES

Please acknowledge the receipt of the enclosed documents, listed below, by imprinting the PTO date stamp in the space indicated and returning the postcard to the addressee indicated on the reverse.

Inventor: John M. Callahan:

Docket No.: NAN012 USSN: 09/642,858

Title ROM ERROR-CORRECTION CONTROL

X Issue Fee Transmittal (plus Extra Copy per Instructions)

X Copy of Supplemental Notice of Allowability w/Interview Summary and "Mailing Date" Sheet.

X Check No. 6113 (To Cover Filing Fee(s))

Date Mailed: October 1, 2003

PTO Date Stamp

Patent and Trademark Office (PTO) Acknowledgment

Please acknowledge the receipt of the enclosed documents, listed below, by imprinting the PTO date stamp in the space indicated and returning the postcard to the addressee indicated on the reverse

Docket No.: NAN012

Inventor: John M. Callahan:

USSN: 09/642,858

Title ROM ERROR-CORRECTION CONTROL

X Issue Fee Transmittal (plus Extra Copy per Instructions)

X Copy of Supplemental Notice of Allowability w/Interview

Summary and "Mailing Date" Sheet.

X Check No. 6113 (To Cover Filing Fee(s))

Date Mailed: October 1, 2003

OCT 0 6 20C3

PTO Date Stamp

PART B - FEE(S) TRANSMITTAL

Complete form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents

Alexandria, Virginia 22313-1450 **Fax**

(703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate PEE ADDRESS? for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block I)

7590

05/16/2003

PATRICK T. KING

P-O. Box 688

144 Holm Road #39

FREEDOM=EA-950+9-0688 Watsonville, CA 95076-2427

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee-address above, or being facsimile transmitted to the USPTO, on the date indicated below. Patrick T. King (Depositor's name (Signature October 1, 2003 . (Date

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/642,858 08/21/2000 John M. Callahan NANOIS 7733

TITLE OF INVENTION: ROM ERROR-CORRECTION CONTROL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE				
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O "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer			attorney or age registered patent	(other		

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or t)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the pate-been previously submitted to the USPTO or is being submitted under separate cover. Completion of (A) NAME OF ASSIGNEE

NANOAMP SOLUTIONS, INC.

Number is required.

STAL OF CAMELA

(B) RESIDENCE: (CITY and 1982-B Zanker Rc

San Jose, CA 95....

is listed, no name

Please check the appropriate assignee category or categories (will not be printed on the patent) 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): XIssue Fee 665.00 A check in the amount of the fee(s) is enclosed. (\$695.00)Ck#6113 O Publication Fee ☐ Payment by credit card. Form PTO-2038 is attached. 30.00 Advance Order - # of Copies ___ 10 The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 110979 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

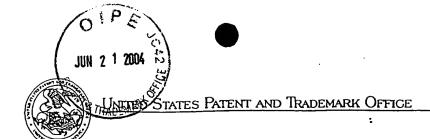
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(Date) 10/1/03

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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www.arpto.gov

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 09/642,858
 08/21/2000
 John M. Callahan
 NAN012
 7733

 7590
 09/04/2003
 EXAMINER

Patrick T. King Law Offices of Patrick T. King 144 Holm Road #39 Watsonville,, CA 95076-2427 EXAMINER TON, DAVID

ART UNIT PAPER NUMBER
2133

DATE MAILED: 09/04/2003

(101412)

Please find below and/or attached an Office communication concerning this application or proceeding.

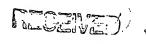
Application No.	Applicant(s)	٦
09/642 858	CALLAHAN JOHN M	
Examiner	Art Unit	\dashv
David Ton	2133	
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(OR REMAINS) CLOSED in to or other appropriate communal GHTS. This application is sub- and MPEP 1308.	his application. If not included ication will be mailed in due course. THIS bject to withdrawal from issue at the initiative	,
iled on 08/19/03 and the Interv	riew on 08/21/03.	
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haan received	£	
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contents have been received	in this national stage application from the	
nder 35 U.S.C. § 119(e) (to a	provisional application).	,
rson's Patent Drawing Review	(PTO-948) attached	
r's Amendment / Comment or	in the Office action of Paper No	
1.84(c)) should be written on the	e drawings in the front (not the back) of	
4⊠ Interview 6∏ Examine 8∏ Examine	Summary (PTO-413), Paper No. <u>11</u> . 's Amendment/Comment 's Statement of Reasons for Allowance	
	David Ton Pars on the cover sheet with (OR REMAINS) CLOSED in too other appropriate communication is sufficient on 08/19/03 and the Interview of the cover sheet with (OR REMAINS) CLOSED in too other appropriate communication is sufficient on 08/19/03 and the Interview of the cover sheet with (OR REMAINS) CLOSED in too of the cover sheet on 08/19/03 and the Interview of the cover sheet of t	Examiner David Ton 2133 Pars on the cover sheet with the correspondence address. (OR REMAINS) CLOSED in this application. If not included or other appropriate communication will be mailed in due course. THIS GHTS. This application is subject to withdrawal from issue at the initiative and MPEP 1308. Pede on 08/19/03 and the Interview on 08/21/03 Pars on the cover sheet with the correspondence address. (OR REMAINS) CLOSED in this application. If not included or other appropriate communication will be mailed in due course. THIS GHTS. This application is subject to withdrawal from issue at the initiative and MPEP 1308. Pede on 08/19/03 and the Interview on 08/21/03 Pars on 08/19/03 and th

JUN 2 1 2004 15	Application No.	Applicant(s)
	09/642,858	CALLAHAN, JOHN M.
Interview Summary	Examiner	Art Unit
	David Ton	2133
All participants (applicant, applicant's representative, PTO	personnel):	
(1) <u>David Ton</u> .		de Calva
(2) Patrick T. King.	(4)	JUN 2 4 2004
Date of Interview: 21 August 2003.	C	
Type: a)⊠ Telephonic b)□ Video Conference c)□ Personal [copy given to: 1)□ applicant	2) applicant's representative	e]
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)⊠ No.	
Claim(s) discussed: <u>N/A</u> .		
Identification of prior art discussed: <u>N/A</u> .		
Agreement with respect to the claims f)☐ was reached. of	g) was not reached. h) 🛭 f	N/A.
Substance of Interview including description of the general reached, or any other comments: The Applicant did not reconstitute (15/16/03 (paper #9) because it was mailed to an old address. Applicant will filed a change of address. The Examiner will the new address with a copy of paper #9 attachment.	ceive the Notice of Allowability	which was mailed on been overdue. The
(A fuller description, if necessary, and a copy of the amend allowable, if available, must be attached. Also, where no allowable is available, a summary thereof must be attached.	copy of the amendments that	
THE FORMAL WRITTEN REPLY TO THE LAST OFFICE A INTERVIEW. (See MPEP Section 713.04). If a reply to the GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OF FORM, WICHEVER IS LATER, TO FILE A STATEMENT C Summary of Record of Interview requirements on reverse section.	e last Office action has alread R THE MAILING DATE OF TH DF THE SUBSTANCE OF THE	y been filed, APPLICANT IS IS INTERVIEW SUMMARY

Examiner Note: You must sign this form unless it is an

Attachment to a signed Office action.

Examiner's signature, if required



PART B - FEE(S) TRANSMITTAL

JUN 2 4 2004

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indicated unless corrected be maintenance fee notifications	espondence including the clow or directed otherwis i.	e in Block 1, by (a) sp	s and notification secifying a new c	of maintenance to	required). Blocks 1 through 4 ees will be mailed to the curren dress; and/or (b) indicating a sep	at correspondence address as parate "FEE ADDRESS" for
CORRENT CORRESPONDENCE		up with any corrections or use	Block 1)	rec(s) transm	ate of mailing can only be used fittal. This certificate cannot	he used for any asker
PATRICK T. KIN	•			accompanying	papers. Each additional paper, must have its own certificate of	such as an againment an
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-	/ 1111 0 1 2	2004		Patrick		(Depositor's name)
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	E			October	1, 2003	
	We to see	ARK				(Date)
APPLICATION NO.	FILING DATE AUT	FIR:	ST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/642,858	08/21/2000		John M. Callahai	1	NAN012	7733
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBL	CATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$650		\$0	\$650	08/18/2003
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EXAMIN TON, DA	<u>. </u>	ART UNIT	CLASS-SUBC			
TON, DA		2133	714-71000	10	•	
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3. ASSIGNEE NAME AND	RESIDENCE DATA TO	BE PRINTED ON THE	PATENT (print of	or type)		
PLEASE NOTE: Unless an	assignee is identified bel o the USPTO or is being s	ow, no assignee data w submitted under separate (B) RE 1982	ill appear on the percentage cover. Completion	patent. Inclusion on of this form is Not and STATE OR Road	of assignee data is only appropria NOT a substitute for filing an assi COUNTRY)	te when an assignment has grument.
Please check the appropriate	assignee category or categ	ories (will not be printer	d on the natent)	O individual	Corporation or other private g	
4a. The following fee(s) are e			yment of Fee(s):	C IIIdividual	a corporation of other private g	toup entity a government
	665.00	OAIA ch	neck in the amoun	of the fee(s) is en	aclosed. (\$695.00)	Ck#6113
☐ Publication Fee				d. Form PTO-2038		
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Commissioner for Patents is a	equested to apply the Issu		ce (if any) or to re		(enclose an extra copy of this pusly paid issue fee to the applicat	
(A thorized Signature)		(Date)				
Jahra	- Thing	10/1/03				
NOTE: The Issue Fee and other than the applicant; a interest as shown by the rec	ords of the United States I	ired) will not be accept gent; or the assignee of Patent and Trademark O	or other party in office.			
This collection of informat obtain or retain a benefit b application. Confidentiality estimated to take 12 minute completed application form case. Any comments on t suggestions for reducing the Patent and Trademark O 22313-1450. DO NOT SE SEND TO: Commissioner for	on is required by 37 CF y the public which is to is governed by 35 U.S.C. is to complete, including to the USPTO. Time whe amount of time you is burden, should be sentifice, U.S. Department	R 1.311. The informatic file (and by the USPTC 122 and 37 CFR 1.14.7 gathering, preparing, an full vary depending upo require to complete to to the Chief Information of Commerce, Alexander Commerce, Alexand	on is required to O to process) an This collection is d submitting the on the individual his form and/or			



PART B - FEE(S) TRANSMITTAL

Complete and send this forms logether with applicable fee(s), to: Mail Mail Stop ISSUE FEE

RADE Commissioner for Pate

Commissioner for Patents

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05/16/2003

PATRICK T. KING

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Watsonville, CA 95076-2427 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope address do to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Patrick T. King	(Depositor's name)
John Strong	(Signature)
October 1, 2003.	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/642,858	08/21/2000	John M. Callahan	NAN012	7733

TITLE OF INVENTION: ROM ERROR-CORRECTION CONTROL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$650	20	\$650	08/18/2003
EXAMI	NER	ART UNIT	CLASS-SUBCLASS		
TON, DAVID 2133		2133	714-710000		
Change of corresponder CFR 1.363). Change of corresponder Address form PTO/SB/I	nce address or indication of lence address (or Change of 122) attached.	-	2. For printing on the patent f the names of up to 3 registere or agents OR, alternatively, (single firm (having as a mer	d patent attorneys 2) the name of a nber a registered	ck T. King
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		attorney or agent) and the na registered patent attorneys or a is listed, no name will be printed	gents. If no name		

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PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. Inclusion of assignce data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY)

.(A) NAME OF ASSIGNEE

NANOAMP SOLUTIONS, INC.

1982-B Zanker Road

San Jose, CA

95112

Please check the appropriate assignee category or categories (will not be printed on the patent)

O individual O corporation or other private group entity O government

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4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed.

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Ck#6113

O Publication Fee

≪ Issue Fee

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The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 110979 (enclose an extra copy of this form).

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(Datc) 10/1/03

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United States Patent and Trademark Office UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov JUN 2 1 2004 GPIRST NAMED INVENTOR FILING DATE ATTORNEY DOCKET NO. APPLICATION NO. CONFIRMATION NO. 08/21/20 NAN012 09/642,858 John M. Callahan 7733 25201 7590 11/13/2003 EXAMINER PATRICK T. KING TON, DAVID LAW OFFICES OF PATRICK T. KING ART UNIT PAPER NUMBER 144 HOLM ROAD #39 WATSONVILLE, CA 95076-2427 2133 DATE MAILED: 11/13/2003

JUN 2 4 2004

Please find below and/or attached an Office communication concerning this application or proceeding.





FIRST NAMED APPLICANT

FILING DATE

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

EXAMINER	

ATTORNEY DOCKET NO.

DATE MAILED:

ART UNIT

P #13

PAPER NUMBER

NOTICE OF ABANDONMENT

This	s application is abandoned in view of:	JUN 2 4 2004					
	Applicant's failure to timely file a proper response to the Office letter mailed on	C. A. S. C. FERRIS					
	A response (with a Certificate of Mailing or Transmission of) was received on, which is after the expiration of the period for response (including a total extension time ofmonth(s)) which expired on						
	A proposed response was received on, but it does not constitute a proper response rejection.	to the final					
	(A proper response to a final rejection consists only of: a timely filed amendment which places the application for allowance; a Notice of Appeal; or the filing of a continuing application under 37 CFR 1.62 (F	ution in WC).					
	☐ No response has been received.						
Ø	Applicant's failure to timely pay the required issue fee within the statutory period of three months from the mailing date of the Notice of Allowance.						
	☐ The issue fee (with a Certificate of Mailing or Transmission of) was received on						
	☐ The submitted issue fee of \$is insufficient. The issue fee required by 37 CFR 1.18 is \$.					
	The issue fee has not been received.						
	Applicant's failure to timely file new formal drawings as required in the Notice of Allowability.						
	Proposed new formal drawings (with a Certificate of Mailing or Transmission of) we received on	ere					
	☐ The proposed new formal drawings filed are not acceptable.	_					
	☐ No proposed new formal drawings have been received.	•					
	The express abandonment under 37 CFR 1.62(g) in favor of the FWC application filed on						
	The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entinterest, or all of the applicants.	ire					
	The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacit 37 CFR 1.34(a) upon the filing of a continuing application.	y under					
	The decision by the Board of Patent Appeals and Interferences rendered on and because for seeking court review of the decision has expired and there are no allowed claims.	the period					
	The reason(s) below: ABANDONMENT CONTACT PERSON IS						

TOM HAWKINS 305-8380